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(74) Agent: **VIERING, JENTSCHURA & PARTNER**; P.O.
Box 1088, Rochor Post Office, Rochor Road, Singapore
911833 (SG).

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(71) Applicant (for all designated States except US): **AGENCY
FOR SCIENCE, TECHNOLOGY AND RESEARCH**
[SG/SG]; 20 Biopolis Way, #07-01 Centros, Singapore
138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GAO, Zhiqiang**
[SG/SG]; Block 685B Choa Chua Kang Crescent, #14-298,
Singapore 682685 (SG). **XU, Guolin** [CN/SG]; Block 436
Woodlands Street 41, #12-398, Singapore 740436 (SG).
YING, Yi-Ru Jackie [US/SG]; 31 Toh Avenue, Singa-
pore 508056 (SG). **MOHAMED ARSHAD, Mohamed**
Shariff [SG/SG]; Block 210 Pasir Ris Street 21, #10-324,
Singapore 510210 (SG). **XIE, Fang** [CN/SG]; 50 West
Coast Crescent, #05-05, Singapore 128035 (SG).

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(54) Title: **BIOSENSOR**

(57) Abstract: A sensor for determining the presence of an analyte in a test sample, said sensor comprising a nanoparticulate mem-
brane comprising nanoparticles of at least one inorganic oxide of an element selected from Group IA, IIA, IIIA, IVA, IB, IIB, IIIB,
IVAB, VB, VIB, VIII3 or V11113 of the Periodic Table, and wherein an oxidoreductase and an electrochemical activator are dif-
fusibly dispersed in said nanoparticulate membrane.

WO 2005/040404 A1